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NOTICE OF ALLOWANCE AND FEE(S) DUE

23117

7590

03/16/2004

NIXON & VANDERHYE, PC 1100 N GLEBE ROAD 8TH FLOOR ARLINGTON, VA 22201-4714 EXAMINER
THOMAS, TONIAE M

ART UNIT PAPER NUMBER

2822 DATE MAILED: 03/16/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/960,517	09/24/2001	Hitoshi Aoki	900-400	7216

TITLE OF INVENTION: SEMICONDUCTOR DEVICE AND FABRICATION PROCESS THEREFOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	06/16/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status.
 See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450

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INSTRUCTIONS: This fappropriate. All further coindicated unless corrected maintenance fee notification	orm should be used for tran orrespondence including the below or directed otherwise ons.	smitting the ISSU Patent, advance or in Block 1, by (a			uired). Blocks 1 through 4 s will be mailed to the current s; and/or (b) indicating a sep	should be completed where t correspondence address as arate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or			ruse Block 1)	Fee(s) Transmittal, T	Note: A certificate of mailing can only be used for domestic mailings of Fee(s) Transmittal. This certificate cannot be used for any other accompany papers. Each additional paper, such as an assignment or formal drawing, n have its own certificate of mailing or transmission.		
	7590 03/16/2004					·	
NIXON & VANDERHYE, PC 1100 N GLEBE ROAD 8TH FLOOR ARLINGTON, VA 22201-4714				I hereby certify that States Postal Service addressed to the Ma	Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposit States Postal Service with sufficient postage for first class n addressed to the Mail Stop ISSUE FEE address above, of transmitted to the USPTO, on the date indicated below.		
memoron, v						(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMEI	D INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/960,517	09/24/2001		Hitosh	i Aoki	900-400	7216	
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nonprovisional	NO	\$1330	0	\$300	\$1630 	06/16/2004	
EXA	MINER	ART UN	NIT	CLASS-SUBCLASS			
THOMAS	S, TONIAE M	2822	2	438-257000			
1. Change of corresponder CFR 1.363).	nce address or indication of "F	ee Address" (37		nting on the patent front page up to 3 registered patent			
☐ Change of correspon Address form PTO/SB/	☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.		initi (naving as a member a registered attorney or 2				
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Cust Number is required.		tion form e of a Customer	agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
	ID RESIDENCE DATA TO E ss an assignee is identified be ted to the USPTO or is being NEE	low, no assignee d submitted under se	lata will appea	• • •		iate when an assignment ha signment.	
Please check the appropria	ate assignee category or catego	ories (will not be pr	rinted on the p	oatent); 🗆 individual 🗆	corporation or other private g	group entity 🚨 governmen	
4a. The following fee(s) ar	re enclosed:	41	b. Payment of	Fee(s):			
☐ Issue Fee				n the amount of the fee(s) is e			
□ Publication Fee		☐ Payment by credit card. Form PTO-2038 is attached.					
☐ Advance Order - # o	of Copies		☐ The Direct Deposit Acc	ctor is hereby authorized by count Number	charge the required fee(s), or (enclose an extra	r credit any overpayment, t copy of this form).	
Director for Patents is requ	uested to apply the Issue Fee a	nd Publication Fee	e (if any) or to	re-apply any previously paid	issue fee to the application id	entified above.	
(Authorized Signature)		(Date)					
other than the applicant interest as shown by the	and Publication Fee (if require; a registered attorney or agrecords of the United States P	ent; or the assign atent and Tradema	nee or other purk Office.	party in			
This collection of informobtain or retain a benefit	nation is required by 37 CFR it by the public which is to fairly is governed by 35 U.S.C.	1.311. The informile (and by the US	mation is requ SPTO to proc	uired to cess) an			

application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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NIXON & VANDERHYE, PC		THOMAS, TONIAE M			
8TH FLOOR			ART UNIT	PAPER NUMBER	
ARLINGTON, V	A 22201-4714		2822	· - ·-	
			DATE MAILED: 03/16/200	4	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

	Application No.	Applicant(s)	 ·
	09/960,517	AOKI, HITOSHI	
Notice of Allowability	Examiner	Art Unit	
	Toniae M. Thomas	2822	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in b) or other appropriate comm RIGHTS. This application is:	n this application. If not included unication will be mailed in due cou	ırse. THIS
1. \boxtimes This communication is responsive to <u>the amendment filed</u>	l on 02 Feb. 2004.		
2. \square The allowed claim(s) is/are <u>1-6,8-12,18,20 and 22-32</u> .			
3. X The drawings filed on 24 September 2001 are accepted by	y the Examiner.		
 4.		or (f).	
2. Certified copies of the priority documents have	e been received in Application	on No	
3. Copies of the certified copies of the priority de	ocuments have been receive	d in this national stage application	from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON! THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requir	ements
5. A SUBSTITUTE OATH OR DECLARATION must be subr INFORMAL PATENT APPLICATION (PTO-152) which give			ICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mu	ıst be submitted.		
(a) I including changes required by the Notice of Draftsper		w (PTO-948) attached	
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	_·		
(b) ☐ including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment o	r in the Office action of	
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			ck) of
 DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT 			e the
Attachment(s)			
1. Notice of References Cited (PTO-892)	5. Notice of Ir	formal Patent Application (PTO-1	52)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		ummary (PTO-413), /Mail Date	,
 Information Disclosure Statements (PTO-1449 or PTO/SB/ Paper No./Mail Date 		Amendment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit		Statement of Reasons for Allowa	nce
of Biological Material	9.	- <i>A</i>	
		AMIR ZARABIAN	
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U.S. Patent and Trademark Office		TECHNOLOGY CENTER 2800	

Art Unit: 2822

Reasons for Allowance

The following is an examiner's statement of reasons for allowance: claims 1-6, 8-12, 18-20, and 20-27 are allowable because independent claims 1, 20, 23, 26, and 27 have been amended to include claim 7, which was indicated as being allowable in the Office action mailed on 03 October 2003. Newly added claims 29-32 are allowable because each claim has been amended to include claim 10, which was indicated as being allowable in the Office action mailed on 03 October 2003.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toniae M. Thomas whose telephone number is (571) 272-1846. The examiner can normally be reached on Monday-Thursday from 8:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on (571) 272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JMJ 08 March 2004 AMIR ZARABIAN
SUPEMBSORY PATENT EXAMINER
TECHT DUOGY CENTER 2800